

(b) Amendments to the Claims

A detailed listing of the claims is provided herewith which replaces all earlier versions.

1. (Currently Amended) A method for producing a mesostructured film comprising the steps of:

preparing a reaction solution containing a tin-containing compound for mesostructured film which contains a tin oxide, and a surfactant;

applying the reaction solution onto a substrate having a capability of orienting an aggregate of the surfactant in a predetermined direction; and

forming the mesostructured film having a plurality of the aggregates of the surfactant oriented in the predetermined direction while holding the substrate onto which the reaction solution has been applied in a water vapor-containing atmosphere having a relative humidity from 70% ~~[[40%]]~~ to 100%.

2. (Cancelled)

3. (Previously Presented) A method for producing a mesostructured film according to claim 1, wherein the tin-containing compound is a tin chloride.

4. (Cancelled)

5. (Previously Presented) A method for producing a mesostructured film according to claim 1, wherein the step of forming the mesostructured film having a plurality of

aggregates of the surfactant oriented in the predetermined direction is performed at a temperature of 100°C or less.

6. - 16. (Cancelled)

17. (Currently Amended) A method for producing a porous film comprising the steps of:

preparing a reaction solution containing a tin-containing compound for a porous material which contains a tin oxide, and a surfactant;

applying the reaction solution onto a substrate having a capability of orienting an aggregate of the surfactant in a predetermined direction;

forming the porous material having a plurality of the aggregates of the surfactant oriented in the predetermined direction while holding the substrate onto which the reaction solution has been applied in a water vapor-containing atmosphere having a relative humidity from 70% ~~[[40%]]~~ to 100%; and

removing the surfactant to form a pore.